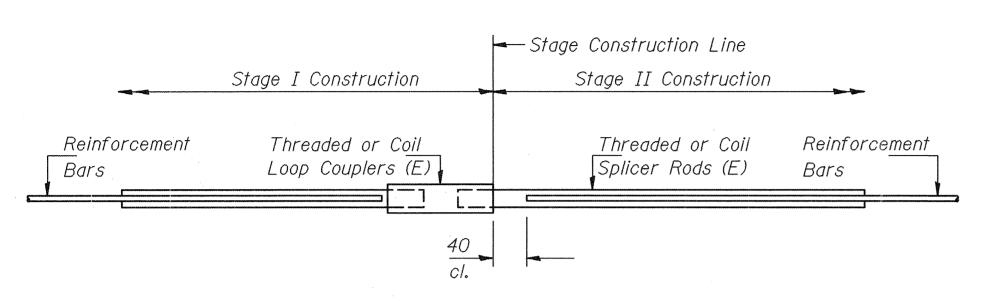
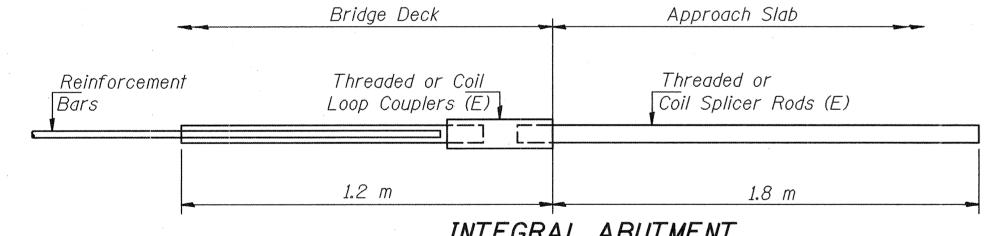
92656

12 SHEETS



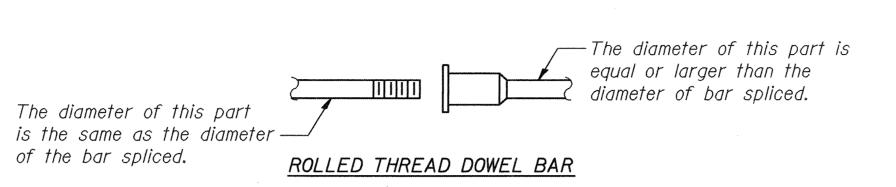
BAR SPLICER ASSEMBLY DETAIL

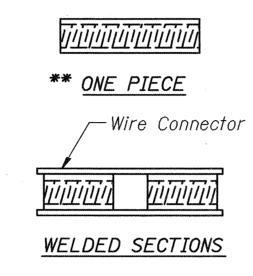
Ba Siz		No. Assemblies Required	Location			
#15	5	167	slab			
#20)	18	diaphragm			
#25		12	abutment			



INTEGRAL ABUTMENT BAR SPLICER ASSEMBLY DETAIL FOR #15 BAR

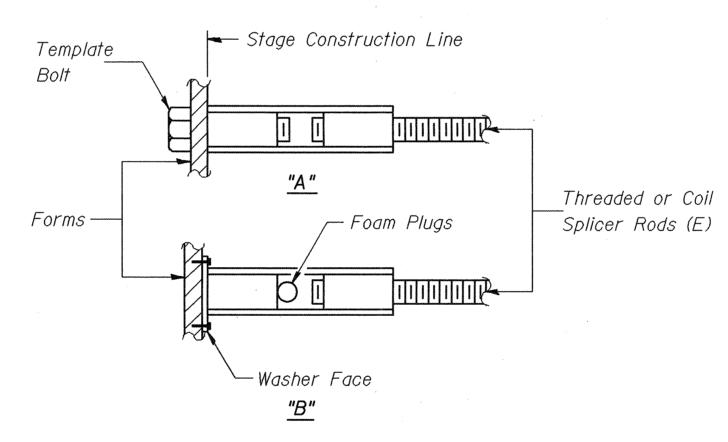
Min.	Capacity	=	100 k	N	- te	nsic	ก	
Min.	Pull-out	St	rength	=	40	kΝ	-	tension
No.	Required	=	62					· · · · · · · · · · · · · · · · · · ·





BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563M, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt. "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms. (E): Indicates epoxy coating.

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars. Splicer rods shall be of minimum 400 MPa yield strength, threaded or coiled full length.

All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars. Bar splicer assemblies shall be epoxy coated according to the requirements for

reinforcement bars.

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

Minimum Capacity = $1.25 \times 10^{-3} \times 10^{-3}$ fy $\times A_t$

Minimum *Pull-out Strength = $1.25 \times 10^{3} \times fs$ allow $\times A_{t}$ (Tension in kN)

Where fy = Yield strength of lapped reinforcement bars in MPa.

fs_{allow} = Allowable tensile stress in lapped reinforcement bars in MPa (Service Load) A_t = Tensile stress area of lapped reinforcement bars (mm²).

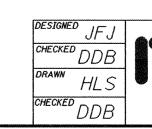
* = 28 day concrete

BAR SPLICER ASSEMBLIES								
		Strength Requirements						
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length		Min. Pull-Out Strength kN - tension					
# <i>1</i> 5	610 mm	100	40					
#20	790 mm	<i>1</i> 50	60					
#25	1.04 m	250	100					
#30	1.37 m	350	140					

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

All dimensions are in millimeters (mm) except as noted.

BAR SPLICER DETAILS IL RTE 78 OVER FORK OF INDIAN CREEK F.A.P. RTE 614 SECTION 147 (RS-5, B-2) MORGAN COUNTY STATION 14+816.75 S.N. 069-0503



Sept.